

## EAST Search History

| Ref # | Hits    | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|---|------------------|---------|------------------|
| L1    | 9       | ((RAM) near2 (HUGGAHALLI)).INV.   | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2006/06/08 17:17 |
| L2    | 15      | ((RAYMOND) near2 (TETRICK)).INV.  | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2006/06/08 17:18 |
| L3    | 16      | (skip by\$1pass) NEAR5 (memory) NEAR5 (cache)   | JPO   | OR               | ON      | 2006/06/08 17:21 |
| L4    | 52      | (direct NEAR cache NEAR access)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/08 17:21 |
| L5    | 585     | (memory adj mapped adj input adj output) MMIO   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/08 17:22 |
| L6    | 11      | (L5 NEAR2 register) and cache   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/08 17:22 |
| L7    | 735     | (710/33).CCLS.  | US-PGPUB;<br>USPAT                                      | OR               | OFF     | 2006/06/08 17:22 |
| L8    | 325     | (710/35).CCLS.  | US-PGPUB;<br>USPAT                                      | OR               | OFF     | 2006/06/08 17:22 |
| L9    | 517     | (710/38).CCLS.  | US-PGPUB;<br>USPAT                                      | OR               | OFF     | 2006/06/08 17:22 |
| L10   | 35      | (L7 L8 L9) AND ((processor NEAR2 (cache (internal adj memory) "L1" "L2")) SAME ((main NEAR2 memory)))                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/08 17:22 |
| L11   | 27      | multi\$1processor SAME processor SAME cache SAME (DMA (direct adj memory adj access)) SAME (input\$1output "io" (input adj output)) | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | ON      | 2006/06/08 17:23 |
| L12   | 38      | (edirisooriya).in.  | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2006/06/08 17:24 |
| S1    | 2       | "736765".ap.  | US-PGPUB  | OR               | ON      | 2005/12/30 10:28 |
| S2    | 47920   | (DMA (direct adj memory adj access))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/12/30 11:10 |
| S3    | 50579   | (multi\$1process\$3 multi\$1control\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/12/30 11:25 |
| S4    | 1060365 | (input\$1output i\$1o (input adj output)) .   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/12/30 11:11 |
| S5    | 297     | S2 SAME S3 SAME S4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/12/30 11:13 |

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|     |          |  |   |    |    |                  |
|-----|----------|--|---|----|----|------------------|
| S6  | 13       | S2 NEAR5 S3 NEAR5 S4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/30 11:12 |
| S7  | 96242    | cache  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/30 11:12 |
| S8  | 77       | S2 SAME S3 SAME S4 SAME S7   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/30 11:16 |
| S9  | 0        | S2 NEAR5 S3 NEAR5 S4 NEAR5 S7  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/04 14:04 |
| S10 | 6        | S2 NEAR10 S3 NEAR10 S4 NEAR10 S7                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/30 11:16 |
| S11 | 11125306 | (process\$3 control\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/30 11:27 |
| S12 | 58       | S2 NEAR5 S11 NEAR5 S4 NEAR5 S7   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/30 11:45 |
| S13 | 2        | "6785793".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/05 15:12 |
| S14 | 2        | "20050144388".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/30 11:56 |
| S15 | 16       | (TETRICK NEAR RAYMOND).in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/30 12:45 |
| S17 | 270      | (skip by\$1pass) SAME ((main primary) NEAR2 (memory)) SAME (cache)     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/30 12:47 |
| S18 | 84       | (skip by\$1pass) NEAR10 ((main primary) NEAR2 (memory)) NEAR10 (cache) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/30 12:47 |

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|     |         |   |   |    |     |                  |
|-----|---------|---|---|----|-----|------------------|
| S19 | 8       | (RAM NEAR HUGGAHALLI).in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/03 10:18 |
| S20 | 583     | (transfer) WITH (direct directly) WITH (processor control\$4)<br>WITH (cache)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/03 10:20 |
| S21 | 58      | (transfer) NEAR3 (direct directly) NEAR3 (processor control\$4)<br>NEAR3 (cache)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/04 16:11 |
| S22 | 20      | ("4371929"   "4723223"   "5261072"   "5263142"   "5553307"<br>  "5742933"   "5745707"   "5822616"   "5825878"   "5933848"<br>  "6128684"   "6145026"   "6219759"   "6230241"   "6260126"<br>  "6338119"   "6345320"   "6378050").PN. OR ("6574682").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2006/01/04 10:57 |
| S23 | 13      | ("5247648"   "5915104"   "6003106").PN. OR ("6230241").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2006/01/03 12:37 |
| S24 | 26      | multi\$1processor SAME processor SAME cache SAME (DMA<br>(direct adj memory adj access)) SAME (input\$1output "io"<br>(input adj output))   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2006/01/03 12:39 |
| S25 | 527     | (memory adj mapped adj input adj output) MMIO   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/03 13:29 |
| S26 | 324     | (memory adj mapped adj input adj output)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/03 13:29 |
| S27 | 94      | S25 NEAR2 register  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/03 13:33 |
| S28 | 8       | (S25 NEAR2 register) and cache  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/03 13:30 |
| S29 | 4       | (direct adj cache adj access)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/03 13:37 |
| S30 | 1       | ("6353877").PN.   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2006/01/03 13:37 |
| S31 | 8       | ((("6353877") or ("20020166031") or ("20020095554") or<br>("6182111") or ("5797026") or ("5537574") or ("6012127") or<br>("5944780")).PN.   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2006/01/03 15:19 |
| S32 | 1060829 | (input\$1output i\$1o (input adj output))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/03 15:39 |

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|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S33 | 4   | (routing near2 (information data)) NEAR5 ((S32) NEAR2 traffic)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/03 15:40 |
| S34 | 2   | ((("6839816" or ("6101574"))).PN.   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2006/01/04 11:36 |
| S35 | 565 | (transfer write) WITH (input\$1output "io" "i/o" (input adj output)) WITH (processor target) WITH (cache)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/04 11:37 |
| S36 | 1   | (transfer write) NEAR2 (input\$1output "io" "i/o" (input adj output)) NEAR2 (processor target) NEAR2 (cache)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/04 11:38 |
| S37 | 103 | (transfer write) NEAR5 (input\$1output "io" "i/o" (input adj output)) NEAR5 (processor target) NEAR5 (cache)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/04 11:38 |
| S38 | 11  | ("4775955"   "5301287"   "5881229"   "5900017"   "5923898"   "6026461"   "6119150"   "6347360"   "6430639"   "6553430"   "6647453").PN. OR ("6934806").URPN.                | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2006/01/04 11:50 |
| S39 | 30  | ("4816997"   "5032985"   "5119485"   "5131083"   "5146603"   "5191649"   "5197144"   "5226150"   "5301298").PN. OR ("5586297").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2006/01/04 12:56 |
| S40 | 71  | ("6651145" "20030105796" "6775748").pn. ("039060" "199580" "073492" "303931" "335131" "123401" "316276" "316785" "262363" "338207" "357780" "331688" "620629" "746487").ap. | US-PGPUB;<br>USPAT                                      | OR | ON  | 2006/01/04 13:31 |
| S41 | 31  | (edirisooriya).in.  | US-PGPUB;<br>USPAT                                      | OR | ON  | 2006/01/04 13:24 |
| S42 | 153 | jamil.in.   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2006/01/04 13:31 |
| S43 | 34  | (sujat NEAR jamil).in.  | US-PGPUB;<br>USPAT                                      | OR | ON  | 2006/01/04 13:44 |
| S44 | 12  | (determin\$3) WITH (transfer\$4 store) WITH (\$5processor NEAR2 cache) WITH (main NEAR2 memory)   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2006/01/04 13:49 |
| S45 | 687 | (710/33).CCLS.  | US-PGPUB;<br>USPAT                                      | OR | OFF | 2006/01/04 14:05 |
| S46 | 315 | (710/35).CCLS.  | US-PGPUB;<br>USPAT                                      | OR | OFF | 2006/01/04 14:05 |
| S47 | 486 | (710/38).CCLS.  | US-PGPUB;<br>USPAT                                      | OR | OFF | 2006/01/04 14:06 |
| S48 | 111 | (S45 S46 S47) AND (cache same (main NEAR2 memory))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/04 14:07 |
| S50 | 108 | (S45 S46 S47) AND (processor NEAR2 (cache (internal adj memory) "L1" "L2"))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/05 11:03 |

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|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S51 | 32   | (S45 S46 S47) AND ((processor NEAR2 (cache (internal adj memory) "L1" "L2"))) SAME ((main NEAR2 memory)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/05 11:11 |
| S52 | 305  | (direct NEAR2 cache NEAR2 access)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/04 16:12 |
| S53 | 46   | (direct NEAR cache NEAR access)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/04 16:14 |
| S54 | 1    | ("6535958").PN.   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2006/01/04 16:14 |
| S55 | 48   | ("5761446" "5276849" "5652915" "5758104" "5802323" "6226704" "6226704" "6230227" "6904480" "6078981" "5634043" "6134635" "6145062" "5682516" "5860159" "5862316" "5892970" "5897657" "5950226" "5958019" "5983326" "6061764" "6061764" "6209068" "6332169" "6378048" "6845486" "6918067" "6976132" "5233702" "5285527" "5502828" "5530825" "5822562" "4483003" "5297281" "5371894" "5526500" "5666505" "5671385" "5687338" "5701435" "5737564" "5765022" "5802386" "5878237" "5889986" "5892934" "5895485" "5906000").pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB             | OR | ON  | 2006/01/05 09:47 |
| S56 | 50   | ("5930484" "6061786" "6134649" "6167506" "6199154" "6253316" "6367001" "6388943" "6393529" "6449714" "6473849" "6721150" "5944809" "6041377" "6141692" "5764934" "5896513" "6249830" "5469562" "5481699" "5551005" "5572702" "5577204" "5701422" "5715428" "5761444" "5797026" "5859975" "5867728" "5893160" "5909699" "5913227" "6012085" "5269005" "5452459" "5453979" "5528592" "5553264" "5560027" "5572703" "5615334" "5630094" "5682514" "5768548" "5772512" "5778441" "5796977" "5826045" "5835943" "5870625").pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB             | OR | ON  | 2006/01/05 10:07 |
| S57 | 49   | ("5923857" "5930522" "5930822" "5941964" "5961621" "6044207" "6044437" "6049845" "6052760" "6115796" "6119243" "6134632" "6141734" "6188248" "6247091" "6260061" "6292906" "6298420" "6339787" "6401173" "6460119" "6467000" "6467031" "6470427" "6487621" "6499085" "6529968" "6535584" "6598120" "6598140" "6611906" "6651115" "6668309" "6760786" "6766360" "6928520" "6959361" "6968329" "5621900" "5796791" "5951663" "6108778" "6134656" "6287765" "6421613" "6134654" RE35794 "5778427" "6035376").pn.             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB             | OR | ON  | 2006/01/05 10:08 |
| S58 | 1052 | (710/107).CCLS.   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2006/01/05 11:35 |
| S59 | 139  | (S58) AND (processor NEAR2 (cache (internal adj memory) "L1" "L2"))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/05 11:04 |
| S60 | 43   | (S58) AND ((processor NEAR2 (cache (internal adj memory) "L1" "L2"))) SAME ((main NEAR2 memory)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/01/05 11:35 |
| S61 | 289  | (711/138).CCLS.   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2006/01/05 11:35 |

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|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S62 | 65  | (S61) AND ((processor NEAR2 (cache (internal adj memory) "L1" "L2")) SAME ((main NEAR2 memory))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/08 17:21 |
| S65 | 381 | (skip by\$1pass) NEAR10(memory)  | JPO   | OR | ON | 2006/01/05 12:17 |
| S66 | 248 | (skip by\$1pass) NEAR5 (memory)  | JPO   | OR | ON | 2006/01/05 12:17 |
| S67 | 16  | (skip by\$1pass) NEAR5 (memory) NEAR5 (cache)  | JPO   | OR | ON | 2006/01/05 12:17 |
| S68 | 114 | ((i\$1o input\$1output (input adj output)) NEAR (driver)) SAME (cache)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/05 15:14 |
| S69 | 522 | transfer\$4 WITH direct\$3 WITH processor WITH cache   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/08 10:10 |
| S70 | 11  | transfer\$4 WITH direct\$3 WITH processor WITH cache WITH rout\$3                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/08 10:06 |
| S71 | 87  | transfer\$4 WITH direct\$3 WITH processor WITH cache WITH device                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/08 10:10 |